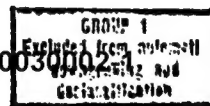


**SECRET**

### Questions on Chip Comparators

1. How much money have we invested in development as well as purchases of these comparators?
2. Why did almost two years elapse before we formally told  in July 1966 of our concern? 25X1A
3. Who in the Center is responsible for checking with those components who have purchased equipment in order to state whether or not the equipment operates satisfactorily?
4. Do any of the comparators work at all?
5. Are the comparators useful for  and other current and projected take? If there is doubt on this score, why do we continue to mess with this? Maybe we should just take our loss. 25X1D
6. On what basis and with what rationale did we proceed to purchase in mid-64? Who certified acceptability of the prototype and what kinds of tests were used on the prototype?

**SECRET**



~~SECRET~~

CHIP COMPARATOR FINANCIAL STATUS

25X1A

Prototype 405A

Final Contract Price Before Modifications  
Optical Viewing Head  
Electronic Readout  
Modifications Contract 405AM  
Additional Modifications  
Total Commitment  
Proposed Increase  
Projected Total Cost of 405AM

25X1A

Class Funds

25  
25  
25  
31  
25

Production Model 405B

Current Contract Ceiling - 5 machines  
Optical Viewing Heads  
Electronic Readout Including Two Card  
Punch Couplers  
Modifications  
Total Commitment  
Proposed Increase  
Projected Total Cost of 405B's

31  
31  
31  
25

Present Commitment for all 6 Machines

Projected Total Commitment for all 6 Machines

\*Estimated - NPIC log does not have contract jacket.

~~SECRET~~

**SECRET**

NPIC/IPD-351/67  
3 November 1967

MEMORANDUM FOR: Assistant for Technical Development, NPIC

25X1A

ATTENTION: [REDACTED]

SUBJECT: Chip Comparator Capabilities

1. In response to your request of 2 November 1967 the following paragraph describes IPD's present and future capabilities with regard to the chip comparators.

2. The chip comparators are general purpose devices used to determine coordinates of points on photography. In this sense, they can be used in support of mensuration for any photographic system. IPD has produced mathematical models describing the operation of the [REDACTED]

25X1D

25X1D

[REDACTED] Analysts may presently do mensuration on these photographic systems using the chip comparators. The present schedule provides daily computer support for the on-line mensuration system from 0900 to 1400 and from 1415 to 1600. IPD will design and program mathematical models for the

25X1D

[REDACTED] and other photographic systems as requirements dictate. These models will then be available to analysts using the chip comparators.

[REDACTED] 25X1A

Distribution:

- Orig & 1 - Addressee
- 2 - NPIC/IPD/SYB

DECLASS REVIEW by NIMA/DOD

**SECRET**

GROUP 1  
Excluded from automatic  
downgrading and  
declassification